



Carl Weeks Jr.

1991

May 31, 25.

29.

Tar Springs 3rd Chester so.

Asphalt quarry near Garfield

Henry J. Green

1191 Bedford Ave.

Brooklyn, N.Y.

Wm F. Prouty,

Univ. of Alabama.

University.

Ala.

Stevens, Acad. Market, near

Town.

Sabine and 8th Street

Geo. McCubbin at St. Joachim's

Mounts an elementary book on

Zoology.

McAllister and 10th Street

Sil + Dor. of East Central Ky

~~Prof C T Jackson at Harvard Univ.~~

~~Prof Stuart Miller Chicago.~~

~~Prof. Wm F Prouty, University of Ala.~~

~~Prof. Charles Schuchert Yale~~

~~Mr. E O Ulrich Washington.~~

Preliminary Notes on Cincinnati
Native Fossils.

~~Prof C. T. Jackson, Harvard Univ.~~

~~Prof Stewart Miller~~

~~Prof. Charles Schuchert~~

~~Mr. E O Ulrich~~

~~Prof Ray S. Bassler~~

~~Mr. John M. Williams~~

~~Prof. W. S. Blatchley~~

~~Prof John M Clarke~~

~~Prof C R Swasey~~

Rhynch. laevis.

1000 ft. above sea level
in the valley of the
Kashmir River.

On the 26th we crossed the
Kashmir River at the village
of Ganderbal.

On the 27th we crossed the
Kashmir River at the village
of Ganderbal.

On the 28th we crossed the
Kashmir River at the village
of Ganderbal.

On the 29th we crossed the
Kashmir River at the village
of Ganderbal.

On the 30th we crossed the
Kashmir River at the village
of Ganderbal.

On the 31st we crossed the
Kashmir River at the village
of Ganderbal.

On the 32nd we crossed the
Kashmir River at the village
of Ganderbal.

On the 33rd we crossed the
Kashmir River at the village
of Ganderbal.

On the 34th we crossed the
Kashmir River at the village
of Ganderbal.

On the 35th we crossed the
Kashmir River at the village
of Ganderbal.

On the 36th we crossed the
Kashmir River at the village
of Ganderbal.

At top of Bull Run, old beach exposed at top of the Bull Run
20. On the south side the
bank has a massive face
of thickness of 33' from the
top, the base was not seen.

Left. Only thin bed of limestone
seen. No fossils.
purple colored top, blue streak,
25 ft of clay shales, yellow
brownish green flat limestone
around the top. No on the top is
greenish blue upper especially
fined ammonoid fossils
33 ft thick, white limestone. Bed C
now begins
merging into a sort of limestone
7 ft 3 in, blue sandy, tan. Below
5 ft 6 in shaly, brownish
3 ft 3 in orange tan limestone. B
15 in. tan.
10 ft and all sandy

Steaming, dark brownish black
Typical white marble of Example of
the same

27 ft. dark brown sandstone,
(27 ft. Sandstone. Bed E

14 ft. grayish yellow sandstone
55 ft. soft bluish clay shale.

except at top Bed D

Diff. massive blue & greenish
yellow near the top.

47. Shaly blue & greenish, with
greenish fissures

purple streaks, thin greenish
25 ft. soft clay shales,

occasional thin flat shales.
around the top. No on the top is
either thin greenish fissures

thin blue & greenish fissures.

23 ft. greenish yellowish sandstone. Bed C
and a little

overlying intercalated sandstone.

17 ft. thin bluish clay shales. No on

5 ft. thin bluish clay shales.

10 ft.
20 ft. - and a few to 30.
30 ft. down
2 ft. to water in upper valley.
Afternoon following

10 ft. above ground surface

Water about 50 ft. above ground surface

What will the bottom be like?

7 ft. or more below?

7-5-5

Grendon

Harris Quarry
 16 ft massive l. fragments dolomite,
 5 $\frac{1}{2}$ ft. limestone, yellowish, weathered.
 11 ft so. fragments
 } 5 $\frac{1}{2}$ ft. l.
 11 ft top of quarry by fragments, whitish.
 1 $\frac{1}{2}$ ft weathering shaly
 2 $\frac{1}{2}$ ft lighter colored l. in several layers,
 fine grained l.
 3 ft chert common in upper part, grey
 } 1 $\frac{1}{2}$ ft weathering shaly,
 all around the quarry.
 specimens division limestone
 11 $\frac{1}{2}$ ft grey fine grained l. top a
 smooth edge of quarry.
 8 $\frac{1}{2}$ ft grey fine grained l. flat ledge
 1 $\frac{1}{2}$ ft soft limestone
 suggesting unconformity.
 but near this & the underlying rock
 1 ft white Edwards, with clayey bottom
 6 $\frac{1}{2}$ ft darker fine grained l.
 6 $\frac{1}{2}$ ft whitish strongly siliceous l.
 3 $\frac{1}{2}$ ft darker rock, broken in part, with
 chert
 base of Harris

Sigillaria occurs in the massive
 ls. fragments at the top of the
 quarry. Is this Big Clifty or
 Garfield? Since these fragments
 may have become intermingled,
 this is uncertain.

Lower half of Edwards is a greyish
 limestone. Upper half of Edwards
 is a darker limestone interbedded
 with whitish dolitic rock.

South of the Main quarry 100 yds
 there is a small quarry with about
 15 ft of white dolitic massive l.
 below the base of the main
 quarry.

Monday May 11

This horizontal strip is a portion of a Japanese woodblock print. It depicts a landscape scene with a path or river leading towards a distant mountain range. Several figures in traditional courtly or traveling attire are visible along the path. The style is characterized by its use of fine ink outlines and light washes of color.

Collection number 2001-1

For 100-500 m long at 5,550 ft.

Tuesday July 20.

18 - 700 ft. below 7,000 ft.

19 - 100 ft. above 6,000 ft.

20 - 100 ft. above 6,000 ft.

21 - 100 ft. above 6,000 ft. at 6,300 M.

22 - 100 ft. above 6,000 ft.

23 - 100 ft. above 6,000 ft. at 6,300 M.

24 - 100 ft. above 6,000 ft. at 6,300 M.

25 - 100 ft. above 6,000 ft. at 6,300 M.

(Then descended 100 ft. to 6,000 ft. and then 100 ft. to 5,000 ft.)

26 - at 6,200 ft. they stopped. Then at

the top of the mountain.

27 - 665 ft. - at 7,45 A.M.

28 - 700 ft. at 10,000 ft.

29 - 630 ft. at 10,400 ft.

30 - 500 ft. at 10,300 ft. at the top of the mountain.

5 - last the effects of sandstone were

described as follows:

Dark brown bedrock, generally

66 ft. - 100 ft. of sandstone cemented

20 ft. made from white limestone Bed A,

20 ft. fine-grained, tan-colored Bed B

20 ft. white, full of fossils. Bed C,

10 ft. yellowish, with large quantities of

34 ft. thin, light-colored bedrock.

10 ft. yellowish, with large quantities of

147 ft. white, weathering gray, containing angular

147 ft. angular, 147 ft. angular.

21 ft. angular, 21 ft. angular.

34 ft. rather soft, light-colored, angular.

67 ft. angular, 67 ft. angular.

24 - 660 - at 6:15 PM
about 1/2 mile from the
Hwy 91 bridge.

25 - 660 at 7:30 PM
about 1/2 mile from the
Hwy 91 bridge.

26 - 660 at 8:30 PM
about 1/2 mile from the
Hwy 91 bridge.

27 - 725 - Hwy 91 at 9:15 PM

28 - 735 at 4:30 PM

29 - 65 - 65 at 5:15 PM,
North of 3rd house on the
S. side.

30 - Hwy 91 at 5:30 PM.

31 - 725 at 5:45 PM.
About 1/2 mile
SS dip SE.

32 - Big Spring at 7:40

Turn at left legend below
25 miles
Concrete public road
turn left 200 yds, come to gate
take road thru fence 100 yds
public road in deep hollow
turn right & climb to Big Spring

40 - 650 feet at 3:00 P.M.
41 - 650 feet at 3:00 P.M.
42 - 650 feet at 3:00 P.M.
43 - 650 feet at 3:00 P.M.
44 - 650 feet at 3:00 P.M.
45 - 825 feet at 1:45 P.M.
46 - 820 feet at 2:00 P.M.
47 - 820 feet at 2:00 P.M.
48 - 1050 feet at 3:15 P.M.
49 - 610 feet at 3:30 P.M.
50 - 610 feet at 3:30 P.M.
51 - 610 feet at 3:30 P.M.

52. - 740 measured at top of bridge
Hanging bed fine sand
mud. at 4.40 ft.

720 - same
fine sand, mud.

10. 25 Swings 6 in 6.20 ft.

Barium at Irvington

Monday 580 — 7.30

580 7.30

520 11.30

580 1.50

570 3.40

Tuesday 490 — 7.30

490 10.45

490 11.45

560 12.35

540 3.20

Wednesday 820 — 7.30 AM

980 — 7.07 PM.

993 - ^{100 ft. deep}
Lateral bed at Petersville
at 11.40 AM

1060 top of bed exposed at 3.45 PM

1140 - top of bed. Suggests
80 ft of sandstone.

1052 - bed of sandstone at 3.45
PM, although it is
not so distinct as the one
at 1060.

2044 - sandstone.

52. ft of massive sandstone
with the basal part 3 ft thick
calcareous with thin sand.

1060 - top of bed exposed at 3.45 PM

21. 57 at 7.30 PM

11. 57 at 7.30 PM

10 - 128 ft. at 3.30 PM. went

up hill to the top of the hill.

11 - 128 ft. at 3.30 PM. went

up hill to the top of the hill.

12 - 110 ft. at 4.45 PM.

met with by stage road.

13 - 110 ft. at 4.45 PM.

met with by stage road.

14 - 110 ft. at 4.45 PM.

met with by stage road.

15 - 110 ft. at 4.45 PM.

met with by stage road.

16 - 100 ft. at 5.15 PM.

met with by stage road.

17 - 100 ft. at 5.15 PM.

met with by stage road.

18 - 100 ft. at 5.15 PM.

met with by stage road.

19 - 100 ft. at 5.15 PM.

met with by stage road.

20 - 100 ft. at 5.15 PM.

met with by stage road.

21 - 100 ft. at 5.15 PM.

met with by stage road.

22 - 100 ft. at 5.15 PM.

met with by stage road.

23 - 100 ft. at 5.15 PM.

met with by stage road.

11. - Dug out by Thompson
at 10.00 A.M.

7 ft. of sand & gravel, yellow,
7 ft. red & brown.
2 ft. gravel, sand & silt.

1 ft. yellowish gravel.
2 ft. yellowish sand & silt.
1 ft. yellowish sand & silt, above
yellowish bottom.

Gravel in white bottom.

1 ft. yellowish sand & silt, yellow?

2 ft. yellowish

12. - Dug out at 10.00 A.M.
so. facing S.

7 ft. limestone

8 ft. clayey, colored like yellow
of limestone underneath

R of preceding section.

13. - At Black Bennett's Mill
at 12.25

7 ft. limestone & silt.

7.50 at new Bennett's Mill, formerly
Champlain Mill, West of

Black Bennett's Mill, 10.00 A.M.

7.50 - Stopped riding a horse
and walked down the hill
limestone, directly below
it well bedded carbonaceous
about $\frac{1}{4}$ mi. west of
Black Bennett's Mill.

Thursday July 22

7.20 - 790

9.20 - 800

11.20 - 840

1.20 - 880

3.20 - 920

Friday July 23

6.20 - 900

8.25 - 880

10.20 - 860

12.20 - 860

2.20 - 860

4.20 - 860

26 J.

Saturday July 24

6.30 - 700

8.30 - 660

10.30 - 660

12.30 - 640

2.20 - 660

4.20 - 680

6.20 - 660

Sunday July 26, Birmingham,

2 shirts

1 drawers

2 pair of stockings

1 stockings

Clothes sent to Mrs. D. Johnson, Birmingham.

Stephens, 1/2 lb. Black.

2 Westminister Hall, 100 yds. up river

from depot by single mill.

Plugged up, etc + gone

Draws on back of Westminister

Martin, 1/2 lb. White cloth

Stephens, 1/2 lb. Black

The Depot to Birmingham

Long distance at Birmingham

Hawthorne, 2 million lbs

Joe C. Johnson much about town

Stephens, 1/2 lb. Black in use

One man at Gray Branch

Stephens, 1/2 lb. Black in use

Ward, Report in Best taken

finished. Last operations.

A. G. Crawford, seems good

drawings of Birmingham

Index to the Wedell digging from base of
W. St. Stephensport Bank - south
of New Haven.

Order of sample	Description	Depth
1	fine gr. l. (Holly?) + a few sub. carbonaceous	50 ft 22
2	" limestone particles. Holly?	31
3	<u>Big cliff</u> " ss + a few cl. particles l. with numerous crin. beads	48 L67
4	" limestone + thin sub. carbonaceous	75
5	Chlorite " coarsely cryst. crinoidal. hyaline sandy particles + coal particles.	85
6	" white fine gr. l. with coal particles.	100
7	" Fine sandy particles im- bedded (numerous) in l.	33
8	Fredonia " oolite grains rare.	200
9	Fredonia " oolite grains distinct.	common 21
10	Fredonia " oolite grains common.	21
11	Fredonia oolite grains	260
12	Fredonia all Distinct Oolite only at valve + a few grains small grained l.	9
13	fine gr. l. with fish tooth fragment.	21
14	St Louis " fine gr. gray l. with chert	81
15	" fine gr. gray l.	35
16	" fine gr. gray l. with chert.	39
17	fine grained limestone	5800 St Louis
18	" fine gr. white l.	5-0
19	" fine gr. grey l.	5-0
20	" fine gr. grey l.	5-5
21	" fine gr. grey l.	5-6
22	" medium gr. l. + black clay	5-7
23	First small of old rock.	5-8
24	medium gr. l. + black clay.	5-8
25	Strong. incl. + set rather coarse gr. dark l. +	5-9
26	" white calcite particles.	5-9
27	fine gr. grey. l. mingled with dark particles.	5-13
28	fine gr. dark grey l.	5-13
29	" a little chert.	5-13
30	fine gr. dark grey argill. l.	5-13
31	medium gr. dark gr. l.	5-13
32	"	5-0
33	fine gr. grey l.	5-5-5
34	fine gr. light gr. l.	5-8-5
35	" very hard.	5-8-5
36	fine gr. grey (dark) l.	5-0-0
37	fine gr. light grey l. with " calcite particles.	6-2-1
38	fine gr. l.	6-3-2
39	" fine gr. grey l. with con- siderable l. with a little chert	6-3-8
40	fine gr. grey l.	6-4-7
41	fine gr. grey l.	6-5-9
42	lime stone powder	67

	bottom of the layer	
39	light grey fine gr. l.	
	Strong wavy bed	556
40	medium gr. light grey l.	
	fine gr. dark grey l.	557
	fine gr. grey l.	608
42	fine gr. grey l.	680
	light grey fine gr. l.	580
44	medium gr. light gr. l.	592
	medium gr. grey l.	712
46	rather coarse gr. grey l.	
	Keskunti formation	735
	medium gr. dark grey l.	
	"	755
	fine gr. dark grey l.	771
48	fine gr. dark grey l. with some light grey medium gr.	780
	fine gr. dark grey l.	794
51	medium gr. light gr. l. + dark grey fine gr. l.	807
	fine + medium gr. dark grey l.	871
	fine grained dark grey l.	601
52	rather coarse grained light grey or whitish l.	59
	fine gr. dark grey l. with a little chert.	951
	coarse grained light, whitish l. with orange beads, orange, whitish l.	601
54		70
	Rather coarse gr. crin. l.	111
58	Rather coarse gr. l.	111
61	Rather coarse gr. l. - shaly cleavage.	134
	medium gr. light gr. l.	111
62	medium gr. light gr. l.	111
	medium gr. light gr. l.	111
65	fine gr. l. very fine fragments full of minute biogenic fossils.	111
67	very fine grained dark argill. rock.	111
	fine grained argill. rock.	111
68	fine gr. dark grey argill. l.	111
	fine gr. dark grey argill. l.	111
70	fine gr. dark grey argill. l.	111
	fine gr. dark grey argill. l.	111
71	fine gr. dark grey argill. l.	111
	fine gr. dark grey argill. rock.	111
72	Black slate	1234
	Black slate	111
73	Black slate with thin bed. 111	111
74		111
75		111
76		111
77		111
78		111
79		111
80		111
81		111
82		111
83		111
84		111
85		111

at Louis

Re date 274 +

Black slate

Loc. 74.

Bodie River valley, South of town,
300 yds west of Proctor Ranch,
two miles south,

17 ft thin bed sand.

1. 2 ft yellowish sand.
2. 18 ft yellowish sand.
12 ft clay shale at top, then yellowish
4 ft. at base hard yellow

13 ft. yellow sand, yellow

5-6 ft. sand.

16 $\frac{1}{2}$ ft. yellow sand
in yellow.

1. 10 ft. yellow sand.

22 ft. clay shale with fossils with fossils

2 ft. yellow sand.

Bas. 8 ft. blue probably? Not
actually seen as no blue color.

75.

1. 10 ft. yellow sand.

2. 10 ft. yellow sand.

3. 10 ft. yellow sand.

4. 10 ft. yellow sand.

5. 10 ft. yellow sand.

6. 10 ft. yellow sand.

7. 10 ft. yellow sand.

8. 10 ft. yellow sand.

9. 10 ft. yellow sand.

10. 10 ft. yellow sand.

11. 10 ft. yellow sand.

12. 10 ft. yellow sand.

13. 10 ft. yellow sand.

14. 10 ft. yellow sand.

15. 10 ft. yellow sand.

16. 10 ft. yellow sand.

17. 10 ft. yellow sand.

18. 10 ft. yellow sand.

19. 10 ft. yellow sand.

20. 10 ft. yellow sand.

21. 10 ft. yellow sand.

10 ft. sandstone
10 ft. sandstone
soft dolomites
10 ft. sandstone
soft dolomites
10 ft. sandstone
soft dolomites
thin layer

10 ft. sandstone
soft dolomites
sample No. 74
10 ft. sandstone
soft dolomites
thin layer

1968-1969 (532)

Thursday, July 29,
Elev. 880 - 665 feet at 5.30 P.M.
~~Continued~~ 520 ft. at 6.00 P.M.

On Belmont's Ranch, in the
Little Pine Valley of Calif.
About three miles from the
boundary line, Found a
water hole at 520 ft. above.

2nd Eff. station on top Hill Creek.
They are following a well defined
course up. The first one done
July 28, 1901. Below

Continuing work Go to
Hill Creek Ranch
Finally the road runched
at the hill wall to west. No
crossing over the creek, so the men
had to swim it, with their
horses, much of water in
the crossing, all about.

Continued 447.16 = 7.30 A.M.
Loc 90 - 640 feet. Upper Tropic
to junction of two footings. At base
and the lower.

Loc 91 - 665 ft. at 8.20 AM. When
Loc 92 See noted

Loc 93 - 455 ft. but 6' at 10.15 AM.
Crossed the creek, at 470 ft.
Then followed the valley
and the creek bed.

Loc 94 - 470 ft. - at 10.30 AM.
Crossed the creek
500 ft. above Red River.
Dried out.

Lake 90.

11 ft = top of Broad bottom

10 ft

3 ft

1 ft

1 ft

15 ft. 20 ft.

18 ft. 20 ft. on a level 15 ft.

1 ft. 7 ft.

10 ft. 15 ft. 20 ft.

5 ft. sandstone

22 ft. clay shale

2 ft. limestone

15 ft. clay shale

11 ft.

17 ft. 20 ft. shale

11 ft. 8 ft.

4 ft. 10 ft. sandstone, brownish

11 ft. Big ledge 20 ft.

10 ft. of limestone

10 ft. 15 ft. 20 ft. 25 ft. 30 ft. 35 ft. 40 ft.

10 ft. 15 ft. 20 ft. 25 ft. 30 ft. 35 ft. 40 ft.

10 ft. 15 ft. 20 ft. 25 ft. 30 ft. 35 ft. 40 ft.

10 ft. 15 ft. 20 ft. 25 ft. 30 ft. 35 ft. 40 ft.

10 ft. 15 ft. 20 ft. 25 ft. 30 ft. 35 ft. 40 ft.

Berry Cemetery,

10 ft. 15 ft. 20 ft. 25 ft. 30 ft. 35 ft. 40 ft.

10 ft. 15 ft. 20 ft. 25 ft. 30 ft. 35 ft. 40 ft.

10 ft. 15 ft. 20 ft. 25 ft. 30 ft. 35 ft. 40 ft.

10 ft. 15 ft. 20 ft. 25 ft. 30 ft. 35 ft. 40 ft.

10 ft. 15 ft. 20 ft. 25 ft. 30 ft. 35 ft. 40 ft.

10 ft. 15 ft. 20 ft. 25 ft. 30 ft. 35 ft. 40 ft.

10 ft. 15 ft. 20 ft. 25 ft. 30 ft. 35 ft. 40 ft.

10 ft. 15 ft. 20 ft. 25 ft. 30 ft. 35 ft. 40 ft.

10 ft. 15 ft. 20 ft. 25 ft. 30 ft. 35 ft. 40 ft.

10 ft. 15 ft. 20 ft. 25 ft. 30 ft. 35 ft. 40 ft.

Box 92

192 \rightarrow *Calostoma* sp.
193 \rightarrow *Calostoma* sp.
194 \rightarrow *Calostoma* sp.
195 \rightarrow *Calostoma* sp.
196 \rightarrow *Calostoma* sp.
197 \rightarrow *Calostoma* sp.
198 \rightarrow *Calostoma* sp.
199 \rightarrow *Calostoma* sp.
200 \rightarrow *Calostoma* sp.
201 \rightarrow *Calostoma* sp.
202 \rightarrow *Calostoma* sp.
203 \rightarrow *Calostoma* sp.
204 \rightarrow *Calostoma* sp.
205 \rightarrow *Calostoma* sp.
206 \rightarrow *Calostoma* sp.
207 \rightarrow *Calostoma* sp.
208 \rightarrow *Calostoma* sp.
209 \rightarrow *Calostoma* sp.
210 \rightarrow *Calostoma* sp.

Box 39

211 \rightarrow *Calostoma* sp.
212 \rightarrow *Calostoma* sp.
213 \rightarrow *Calostoma* sp.
214 \rightarrow *Calostoma* sp.
215 \rightarrow *Calostoma* sp.
216 \rightarrow *Calostoma* sp.
217 \rightarrow *Calostoma* sp.
218 \rightarrow *Calostoma* sp.
219 \rightarrow *Calostoma* sp.
220 \rightarrow *Calostoma* sp.
221 \rightarrow *Calostoma* sp.
222 \rightarrow *Calostoma* sp.
223 \rightarrow *Calostoma* sp.
224 \rightarrow *Calostoma* sp.

Loc. 86 - Top of 150 ft.

Loc. 87 - 100 ft. east base of

very sandy loamy soil

l. in a low hollow. Soil is

supposed to be the top of the

old talus slope.

Loc. 88 - Middle of 150 ft.

Loc. 89 - Top of hill, east base.

Loc. 90 - 100 ft. N. of Loc. 89.

Loc. 91 - 50 ft. S. of Loc. 89.

considerable clay about

100 ft. top of ravine.

Loc. 92 - 100 ft. S. of Loc. 89.

Loc. 93 - Top of slope of the

old talus slope. Soil is

supposed to be the old talus

slope on the south side.

Loc. 94 - Top of talus slope.

Loc. 95 - Top of talus slope.

Loc. 96 - Top of talus slope.

Loc. 97 - Top of talus slope.

Loc. 98 - Top of talus slope.

Loc. 99 - Top of talus slope.

Loc. 100 - Top of talus slope.

Loc. 101 - Top of talus slope.

Loc. 102 - Top of talus slope.

Loc. 103 - Top of talus slope.

Loc. 104 - Top of talus slope.

Loc. 105 - Top of talus slope.

Loc. 106 - Top of talus slope.

Loc. 107 - Top of talus slope.

Loc. 108 - Top of talus slope.

Loc. 109 - Top of talus slope.

Loc. 110 - Top of talus slope.

Loc. 111 - Top of talus slope.

Loc. 112 - Top of talus slope.

Loc. 113 - Top of talus slope.

Loc. 114 - Top of talus slope.

Loc. 115 - Top of talus slope.

Loc. 116 - Top of talus slope.

Loc. 117 - Top of talus slope.

Loc. 118 - Top of talus slope.

Mar. 15 - 1900 - 1000 ft. above
the village of San Juan

2000 ft. above the village of
San Juan

2000 ft. above the village of
San Juan

Bellwood Park - 5000 ft.
above the village of San Juan

Bellwood Park - 5000 ft.
above the village of San Juan

Chaparral & Lippard Hill
approximately 2700 ft. above
the village of San Juan

Chaparral & Lippard Hill
approximately 2700 ft. above
the village of San Juan

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Chaparral & Lippard Hill
approximately 2700 ft. above
the village of San Juan

Chaparral & Lippard Hill
approximately 2700 ft. above
the village of San Juan

Dec 10. - 1350 ft 3,250 ft.

Dec. 10. - 740 ft 3,400 ft.
Lower Tribune & S

Bellville Standard
- 100 ft

Dec. 10. 720-740 ft
Bellville Standard
- 100 ft
Upper Tribune & S
Bellville Standard
- 100 ft

Dec. 10. 680 ft 5,600 ft

Dec. 10. 680 ft 5,600 ft
680 ft

690 Stephenfont at
6 PM

to San Jose,

San José, Ca

109. Wg Cedar Branch, 1 mi S of
Minden, Old and New Licks.
712 ft. elev., 1000 ft. thick.
Bottom clayey.

1912 - 1913 - Oct. 1912.

Well found with the
interbeds 300 ft. on bed
in small quantity, rather
thin and sandy.

Upper bed about 100

feet thick, 100 ft. 943 ft.

at top fine sand.

Bottom 100 ft. grayish

calcareous, 100 ft. 100 ft.

of well and the following

100 ft. sand at bottom

About 35 ft. after beginning

the fault it dips to 755 ft. above

the first gritts when meeting

the bed above the

top take 100 ft. from bed.

The sand is very coarse

black in color like the

black sand.

110. White Pine Branch, 1 mi S of

Minden, Old and New Licks.

Bottom clayey.

1912 - 1913 - Oct. 1912.

Oct 2 -

50 goldfish larvae
Chlorophyl 10% plus
yellow Crayfish molt
of young nymph & yolk.

Two small ones were
seen with 10% chlo.
and molt of first. Two others
of same size had the
old shell and body reduced
to 1/10 or less. One was
having little oxygen.

With examples of the old
and small, which had been dead
a long time, it was found
that with little water

the young do not move.
The following day the same
the body of the old & the
small of the new ones had
come from dead to living
again. The small ones
had lost a great part
of their body.

The following day the same
had moved the same as the
old & after a year, or more
they were dead. The
young ones had lost
a great part of their
body.

When the young ones
had come to the end of the
first year, they had lost
the yolk sac, and the
yolk had been absorbed
into the body. They had
also lost a great part
of their body.

When the young ones
had come to the end of the
first year, they had lost
the yolk sac, and the
yolk had been absorbed
into the body. They had
also lost a great part
of their body.

Monday July 26

6.10 AM - 800

8.10 800

10.10 790

12.10 PM 820

2.10 840

4.10 860

6.10 860

Tuesday July 27

6.10 880

8.10 880

10.10 880

12.10 PM 880

2.10 900

4.10 920

6.10 920

Wednesday July 28

7.00 800

9.00 800

11.00 800

1.00 PM 800

3.00 — 820

Thursday Jul, 27.

6.30 790

8.30 780

10.30 790

12.30 800

2.30 840

4.30 860

6.30 860

Friday July 30

6.10 880

8.10 880

10.10 900

12.10 920

2.10 960

4.10 1000

6.10 1020

Saturday July 31

9.30 — 1020 ft

11.30 — 10.20

1.30 — 10.40

3.30 — 10.60

5.30 — 10.80

Wednesday Aug 12
W. V. W. 55° at 7 p.m.
~~W. V. W. 55° at 7 p.m.~~
S. 55° E. 1000 ft. above sea level
at 7 p.m.
S. 55° E. 1000 ft. above sea level
at 7 p.m.
S. 55° E. 1000 ft. above sea level
at 7 p.m.

~~W. V. W. 55° at 7 p.m.~~

~~W. V. C. 192~~

~~Winnipeg~~

Matthews 3.30 J'64

M. M.

Aug 18 - Monday
Left town at 7:30 A.M.

122 - 775 ft. -

123 - 775 ft. -

124 - Top of H. F. Hill
Theodore - at 740 ft.

125 - 775 ft. -

leading to 126 - 800 ft.

126 - 800 ft. - white
limestone bed

127 - 775 ft. - strong limestone

to 860 ft. strongly weathered.

128 - 775 ft. - bed of sand & silt
at 8:30 A.M.

129 - 775 ft. - same at 9:25, then

130 - Theodore - soft limestone at

8,450 ft.

131 - 775 ft. at 9:30 A.M. bed of

soft limestone - thin bed of

132 - 775 ft. - same as 131, but

bed of sand & silt - thin bed of

133 - 775 ft. - same as 131, but

bed of sand & silt - thin bed of

134 - 775 ft. - same as 131, but

bed of sand & silt - thin bed of

135 - 775 ft. - same as 131, but

bed of sand & silt - thin bed of

136 - 775 ft. - same as 131, but

bed of sand & silt - thin bed of

137 - 775 ft. - same as 131, but

bed of sand & silt - thin bed of

138 - 775 ft. - same as 131, but

bed of sand & silt - thin bed of

139 - 775 ft. - same as 131, but

bed of sand & silt - thin bed of

140 - 775 ft. - same as 131, but

bed of sand & silt - thin bed of

In 132

750 *Acetosella* at 1.100 m.

1100

In 133 - 750

In 134 - 750 at 1.200 m.

1100 *Acetosella* at 1.000 m.

1200 *Acetosella*

1300 *Acetosella* at 1.100 m.

1400 *Acetosella*

1500 *Acetosella* at 1.000 m.

1600 *Acetosella* at 1.000 m.

1700 *Acetosella* at 1.000 m.

1800 *Acetosella* at 1.000 m.

1900 *Acetosella* at 1.000 m.

2000 *Acetosella* at 1.000 m.

2100 *Acetosella* at 1.000 m.

2200 *Acetosella* at 1.000 m.

2300 *Acetosella* at 1.000 m.

2400 *Acetosella* at 1.000 m.

2500 *Acetosella* at 1.000 m.

2600 *Acetosella* at 1.000 m.

2700 *Acetosella* at 1.000 m.

2800 *Acetosella* at 1.000 m.

2900 *Acetosella* at 1.000 m.

3000 *Acetosella* at 1.000 m.

3100 *Acetosella* at 1.000 m.

3200 *Acetosella* at 1.000 m.

3300 *Acetosella* at 1.000 m.

3400 *Acetosella* at 1.000 m.

3500 *Acetosella* at 1.000 m.

3600 *Acetosella* at 1.000 m.

3700 *Acetosella* at 1.000 m.

3800 *Acetosella* at 1.000 m.

3900 *Acetosella* at 1.000 m.

4000 *Acetosella* at 1.000 m.

4100 *Acetosella* at 1.000 m.

4200 *Acetosella* at 1.000 m.

4300 *Acetosella* at 1.000 m.

4400 *Acetosella* at 1.000 m.

4500 *Acetosella* at 1.000 m.

4600 *Acetosella* at 1.000 m.

4700 *Acetosella* at 1.000 m.

4800 *Acetosella* at 1.000 m.

4900 *Acetosella* at 1.000 m.

5000 *Acetosella* at 1.000 m.

5100 *Acetosella* at 1.000 m.

1000 ft. above sea level Aug 5
at 7:00 A.M.

1000 ft. - 710 - at 8:00 A.M.
1000 ft. - 700 - at 8:30 A.M.
1000 ft. - 710 - at 9:00 A.M.
1000 ft. - 700 - at 9:30 A.M.
1000 ft. - 690 - at 10:00 A.M.
1000 ft. - 680 - at 10:30 A.M.
1000 ft. - 670 - at 11:00 A.M.
1000 ft. - 660 - at 11:30 A.M.
1000 ft. - 650 - at 12:00 P.M.

1000 ft. - 640 - at 1:00 P.M.
1000 ft. - 630 - at 1:30 P.M.

Then down to 600 ft. at 2:00 P.M.

Down to 500 ft. at 2:30 P.M.

Then down to 400 ft. at 3:00 P.M.
Then down to 300 ft. at 3:30 P.M.

Then down to 200 ft. at 4:00 P.M.

Then down to 100 ft. at 4:30 P.M.

Then down to 0 ft. at 5:00 P.M.

Then up to 100 ft. at 5:30 P.M.

Then down to 0 ft. at 6:00 P.M.

Then up to 100 ft. at 6:30 P.M.

Then down to 0 ft. at 7:00 P.M.

Then up to 100 ft. at 7:30 P.M.

Then down to 0 ft. at 8:00 P.M.

Then up to 100 ft. at 8:30 P.M.

Then down to 0 ft. at 9:00 P.M.

Then up to 100 ft. at 9:30 P.M.

Then down to 0 ft. at 10:00 P.M.

Feb 16th - Went 8 P.M. to New York
and back at 10 P.M.

Feb 17th - Went to New York at 10 A.M.
and back at 8 P.M.
Arrived at 12:50 P.M.

495 ft. Long distance telephone circuit
from New York.

Feb 18th - Left New York early
and arrived at Boston at
noon.

Marshall Field's 103 ft.
telephone.

Shannon - Superintendent
of New Haven Co. Telegraph
Office and New Bedford
Marine Telegraph Office.

Marshall Field's 103 ft.
telephone.

500 ft. long distance telephone
circuit of Bell Telephone Co.
and New York Telephone Co.

Feb 19th - Went to 3 P.M. through
Pittsburgh, Pittsburgh, and
Columbus, Ohio.

Feb 20th - Went to 3 P.M. through
Columbus, Indianapolis, and
Bryn Mawr, Pa.

Feb 21th - Went to 3 P.M. through
Columbus, Indianapolis, and
Bryn Mawr, Pa.

Feb 22th - Went to 3 P.M. through
Columbus, Indianapolis, and
Bryn Mawr, Pa.

100 ft. above base

100 ft. above base

100 ft. above base?

100 ft.

100 ft. above base

Car Springs at 720 ft.
in elevation

100 ft. above base - Mississ. material.

100 ft. above base

100 ft. above base - Mississ. material
at 100 ft. above base

Loc 185

Mississ. material

Opposite 750 ft. at 11,300 ft.

100 ft. above base

Car Springs 90°

Loc 186 - 790 ft. - at 11,700 ft.

Loc 187 - 790 ft. - at 11,450 ft.

Loc 188 - 755 ft. at 1,400 ft. N.

Mississ. material Loc. 185.

Loc 189 - 750 ft. - 100 ft.

Opposite limestone bed black

Beds thin & numerous 6 ft. thick.

100 ft. above base

Loc 190 - 100 ft.

770 ft. above base - 100 ft. below

100 ft. above base - 100 ft. below

100 ft. above base

100 ft. above base

100 ft. above base - 100 ft. below

9/11 at 10:00 AM

Altitude 7,800 ft.

3/4 mile from

W.M. 1000 ft. above

the last snow.

Loc 62 - 4:00 PM

Loc 64 - 780 ft. at 4:50 PM.

Base of basin floor made
over talus slope.

Clearing along road.

Planted 1930.

This is 1000 ft. above me.

Over last 1000 ft. we have:

Rock talus 200 ft.

Clearing with 1000 ft. above

the first 1000 ft.

Snow covered ground at 680

ft. but not here because

it has been cleared.

Loc 64 - 5:00 PM

Clearing by day and night

2000 ft. above 1000 ft. at 7,800

Can't tell what's up there but

as far as I can see it looks like

forest floor - some

meadow, some talus

and some dry ground.

Loc 64 - 6:00 PM

Clearing by day and night

2000 ft. above 1000 ft. at 7,800

ft. but not here because

it has been cleared.

Loc 64 - 7:00 PM

Clearing by day and night

2000 ft. above 1000 ft. at 7,800

Saturday, Aug 7.

470 at 6.00 A.M. P.M. 100 ft.
m.s. 100 ft.

Loc 194 - 600 ft. from base, top of
yellow chert. The upper part
of this rock is very friable
indicated by streaks.

470 to 600 ft. above 100 ft.
This rock is found in a want

thin band between the two main
beds called St. Louis & Franklin.

Loc 195 - 600 ft. at 8.15 A.M., Franklin
bedrock in place.

Loc 196 - At road crossing

Sand and gravel derived rock,
715 ft. following bottom of bedrock
stratigraphically about 700 ft. at 7 A.M.

680 strongly weathered.

690 " " "

675 " " "

660 ft. at 7.35 A.M. the Franklin

570 ft. Franklin bedrock - 100 ft.

Loc 197 - 510 ft. at 11.30 A.M.

Loc 198 - 490 ft.

top - 695 strongly weathered

Chert fragments abu-

l. again at 610 ft

Loc 199.

100 ft. west

622 ft. top of well-drained
weathered bed, white sand,

600 ft. white sand, white sand,

678 ft. white sand, white sand,

678 to 684 ft. l. Bed B,

quartzite, 670, 6 ft.

fine-grained, clay shale, 6 ft.

678 to 690 ft. white sand,

Loc 200 - 915 at 12.30 P.M. Franklin

bedrock, 100 ft. at 1.30 P.M. same

place.

Loc 200 - 118 ft at 1,400 ft.

Loc 201 - 100 ft at 1,400 ft.

Loc 202 - 100 ft at 1,400 ft.

Loc 203 - 100 ft at 1,400 ft.

Loc 204 - 100 ft at 1,400 ft.

Loc 71 - 618 ft at 4,200 ft.

Loc 202 - 704 ft at 4,200 ft.

Loc 203 - 618 ft at 4,200 ft.

Loc 179 - 600 ft at 4,100 ft.

Monday Aug 2

7m - 880

9m - 880

11m - 860

1pm - 860

3m - 880

5m - 880

Tuesday Aug 3

7 - 7.80

9 - 800

11 - 800

1 - 800

3 - 880 - 7.80 ?

5 - 880 = 780 ?

Wednesday Aug 4

7.30 - 840

9.30 - 840

11.30 - 860

1.30 - 880

2.30 - 900

5.30 - 920

Thursday Aug 5

7 - 900

9 - 900

11 - 900

1 - 940

3 - 980

5 - 1000

Friday Aug 6

7 - 920

9 - 920

11 - 920

1 - 940

3 - 960

5 - 980

Saturday Aug 7

7.30 - 860

9.30 - 860

11.30 - 860

1.30 - 860

3.30 - 880

5.30 - 900

372 at Senge Norman coal
mine, at joint 40 feet above
coal, = 332 ft for top of coal.
 $\frac{3}{4}$ mi. S of Hannesville

380 ft to top of shale. About 15 ft
shale would place top of coal at
365 ft. At south edge of town,

Sonicanel Coal mine,

335 ft = 422 U.S.G.S. bench
mark at court house,

$$\begin{array}{r} 422 \\ 335 \\ \hline 87 \text{ add. } 332 \\ \hline 87 \\ 419 - 420 \end{array}$$

Actual level of Senge Norman coal
is 420 feet., 3 $\frac{1}{2}$ ft vein.

315 = R.R. level at station.









